

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARK(S): WELL LOG

ELECTRIC LOGS

LE

X

WATER SANDS

LOCATION INSPECTED

SUB. REPORT/abd.

970305 location abandoned eff. 2-28-97

DATE FILED

NOVEMBER 24, 1995

LAND: FEE & PATENTED

FEE STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED:

JANUARY 3, 1996

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

2-28-97 LA

FIELD:

ALTAMONT

UNIT:

COUNTY:

DUCHESNE

WELL NO.

FISHER 2-19A3

API NO. 43-013-31570

LOCATION

1480 FSL

FT. FROM (N) (S) LINE,

700 FEL

FT. FROM (E) (W) LINE:

NE SE

1/4 - 1/4 SEC.

19

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

1S

3W

19

COASTAL OIL & GAS



Fisher 2-15A3

43 013-31570

onsite To Permit Well

North Look South

12/21/95



43-013-31570

onsite East Look West

12/21/95



43-013-31570

onsite

SOUTH Look NORTH

12/21/95



43-013-31570 Onsite

West Cook East

12/21/55



43-013-31570

Access Road in Across new
Pond. 12/21/55



43-013-31570

Draw Below Pond.

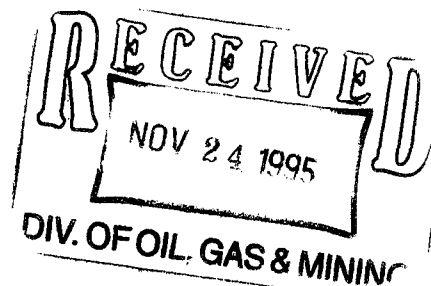
12/21/95



November 17, 1995

Fisher #2-19A3
Section 19-T1S-R3W
Duchesne County, Utah

Mr. Mike Hebertson
State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203



Dear Mr. Hebertson:

Enclosed is the Application for Permit to Drill (APD), the Drilling Program, and the Surface Use and Operations Plan for the above referenced well. *Please note that the Surface Use and Operations Plan is subject to change pending completion of the on-site.* A copy of the revised Surface Use and Operations Plan, if changed, will be provided to you after the on-site inspection.

Please call me, at the number listed below, so that an on-site inspection for this well can be scheduled and appropriate parties invited to the on-site.

If you have any questions concerning the enclosed documents, please contact me at (303) 573-4455.

Sincerely,

Sheila Bremer
Environmental & Safety Analyst

Enclosures

Coastal Oil & Gas Corporation

A SUBSIDIARY OF THE COASTAL CORPORATION
600 17TH ST • STE 800 S • P O BOX 749 • DENVER CO 80201-0749 • 303/572-1121

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. Lease Designation and Serial No. Fee	
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. If Indian, Allottee or Tribe Name N/A	
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>			7. Unit Agreement Name N/A	
2. Name of Operator Coastal Oil & Gas Corporation			8. Farm or Lease Name Fisher	
3. Address of Operator P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455			9. Well No. #2-19A3	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 1480' FSL & 700' FEL At proposed prod. zone 1151' M 213			10. Field and Pool, or Wildcat Altamont/Bluebell	
14. Distance in miles and direction from nearest town or post office* Approximately 5 miles NE of Altamont, Utah			11. 00, Sec., T., R., M., or Blk. and Survey or Area NE/SE Sec. 19-T1S-R3W	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 700' - drlg line 160'		16. No. of acres in lease 220		17. No. of acres assigned to this well 2 wells/640 acres
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. 2300'		19. Proposed depth 15,550'		20. Rotary or cable tools Rotary
21. Elevations (Show whether DF, RT, GR, etc.) 6390' Ungraded GR			22. Approx. date work will start* Upon Approval	
23. PROPOSED CASING AND CEMENTING PROGRAM				
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
Please see attached drilling program.				

Coastal Oil & Gas Corporation proposes to drill a well to a proposed TD of 15,550' to test the Wasatch Formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per State of Utah requirements.

See the Drilling Program and Multi-point Surface Use & Operations Plan, attached.

Coastal Oil & Gas Corporation is considered to be the operator of the subject well. It agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided for by Coastal's Bond #102103.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed: Sheila Bremer Title: Environmental & Safety Analyst Date: 11/17/95

(This space for Federal or State office use)

API NO. 43-013-31570

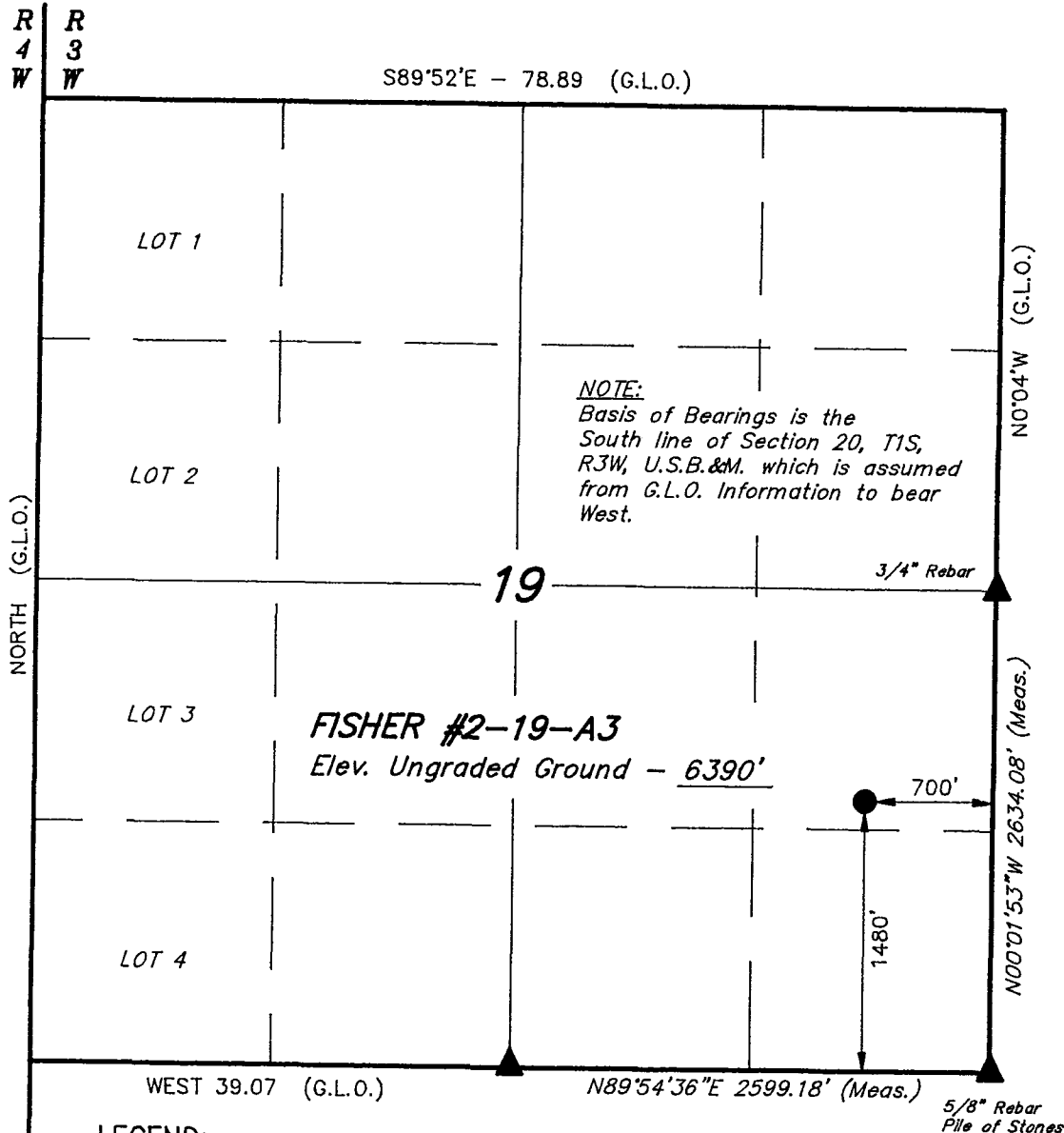
Approved by: Matthew Title: Petroleum Engineer Date: 11/13/96

Conditions of approval, if any:

RECEIVED
 NOV 24 1995
 Date: 11/13/96
 DIV. OF OIL, GAS & MINING

*See Instructions On Reverse Side

T1S, R3W, U.S.B.&M.



LEGEND:

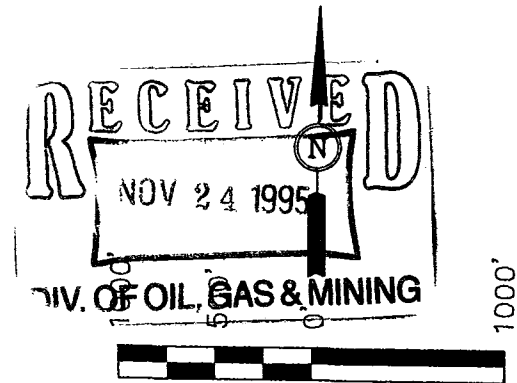
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

COASTAL OIL & GAS CORP.

Well location, FISHER #2-19A3, located as shown in the NE 1/4 SE 1/4 of Section 19, T1S, R3W, U.S.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED IN THE NW 1/4 OF SECTION 29, T1S, R3W, U.S.B.&M. TAKEN FROM THE BLUE BELL QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6397 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 6-27-95	DATE DRAWN: 7-11-95
PARTY G.S. G.O. D.J.S.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE COASTAL OIL & GAS CORP.	

**FISHER #2-19A3
1480' FSL & 700' FEL
NE/SE, SECTION 19-T1S-R3W
DUCHESNE COUNTY, UTAH**

COASTAL OIL & GAS CORPORATION

DRILLING PROGRAM

The proposed wellsite is on fee surface/fee minerals.

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Duchesne River/Uinta	Surface
Green River	6,500'
Lower Green River	10,600'
Wasatch	11,900'
• Top of Wasatch Red Beds	12,250'
• Bottom of Wasatch Red Beds	13,350'
Total Depth	15,550'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil	Lower Green River	10,600'
	Wasatch	11,900'
Gas	Lower Green River	10,600'
	Wasatch	11,900'
Water	N/A	
Other Minerals	N/A	

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. **Pressure Control Equipment:** (Schematic Attached)

Coastal Oil & Gas Corporation's minimum specifications for pressure control equipment are as follows:

- Ram type: 11" Annular Preventer (Hydril), 11" Double Gate Hydraulic, Drilling Spool, 5,000 psi.
- Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not

utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

- Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.
- As a minimum, the above test will be performed when initially installed, whenever any seal subject to test pressure is broken, following related repairs, or at 30-day intervals.
- Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.
- When testing the kill line valve(s), the check valve shall be held open or the ball removed.
- Annular preventers (if used) shall be functionally operated at least weekly.
- Pipe and blind rams shall be activated each trip; however, this function need not be performed more than once a day.
- A BOPE pit level drill shall be conducted weekly for each drilling crew.
- Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

- The size and the rating of the BOP stack is shown on the attached diagram.
- A choke line and a kill line are to be properly installed. The kill line is not to be used as a fill-up line.
- The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. Proposed Casing and Cementing Program:

- a. The proposed Casing Program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt/ft</u>	<u>Grade</u>	<u>Type</u>
Surface	0-3,700'	12-1/4"	9-5/8"	36#	K-55	LT&C
Surface	3,700'-4,700'	12-1/4"	9-5/8"	40#	N-80	LT&C
Intermediate	0'-6,000'	8-3/4"	7"	26#	S-95	BT&C
Intermediate	6,000'-13,100'	8-3/4"	7"	26#	S-95	LT&C
Prod Liner	12,825'-TD	6-1/8"	5"	18#	S-95	H521

Casing design is subject to revision based on geologic conditions encountered.

- b. The Cement Program will be as follows:

<u>Surface</u>	<u>Fill</u>	<u>Type & Amount</u>
0-3,700'	4,200'	Lead: 1275 sacks, 12.4 ppg Lite cement.
3,700'-4,700'	500'	Tail: 480 sacks, 15.6 ppg Class "G".
<u>Intermediate</u>	<u>Fill</u>	<u>Type & Amount</u>
0-6,000'	5,180'	Lead #1: 580 sacks, 12.4 ppg Lite cement.
6,000'-13,100'	2,200'	Lead #2: 400 sacks, 14.2 ppg 50/50 Poz w/2% gel.
	1,020'	Tail: 150 sacks, 15.9 ppg Class "H" w/35% Silica Flour.
<u>Production Liner</u>	<u>Fill</u>	<u>Type & Amount</u>
12,825'-TD	2,725'	Premium "G" w/35% Silica, 15.9 ppg, 1.51 ft. ³ /sx yield. A calculated volume from log caliper plus 25% excess will be pumped, approximately 154 sacks.

5. **Drilling Fluids Program:**

<u>a. Interval</u>	<u>Type</u>	<u>Mud Wt.</u>
0-4,500'	Air Mist/Aerated Water	8.4
4,500'-4,700'	LSND to Lightly Dispersed Mud	8.5-8.7
4,700'-6,500'	Air Mist/Aerated Water	8.4
6,500'-13,100'	LSND to Lightly Dispersed Mud	8.7-11
13,100'-TD	LSND to Weighted Mud	10-15

- b. No chromate additives will be used in the mud system without prior approval to ensure adequate protection of fresh water aquifers.

6. **Evaluation Program:**

- a. Logging Program:

Resistivity-GR, SP:	TD to 3,000'.
Sonic-GR:	TD to 10,600'.
GR:	TD to surface.
Drill Stem Tests:	None anticipated.
Cores:	None anticipated.

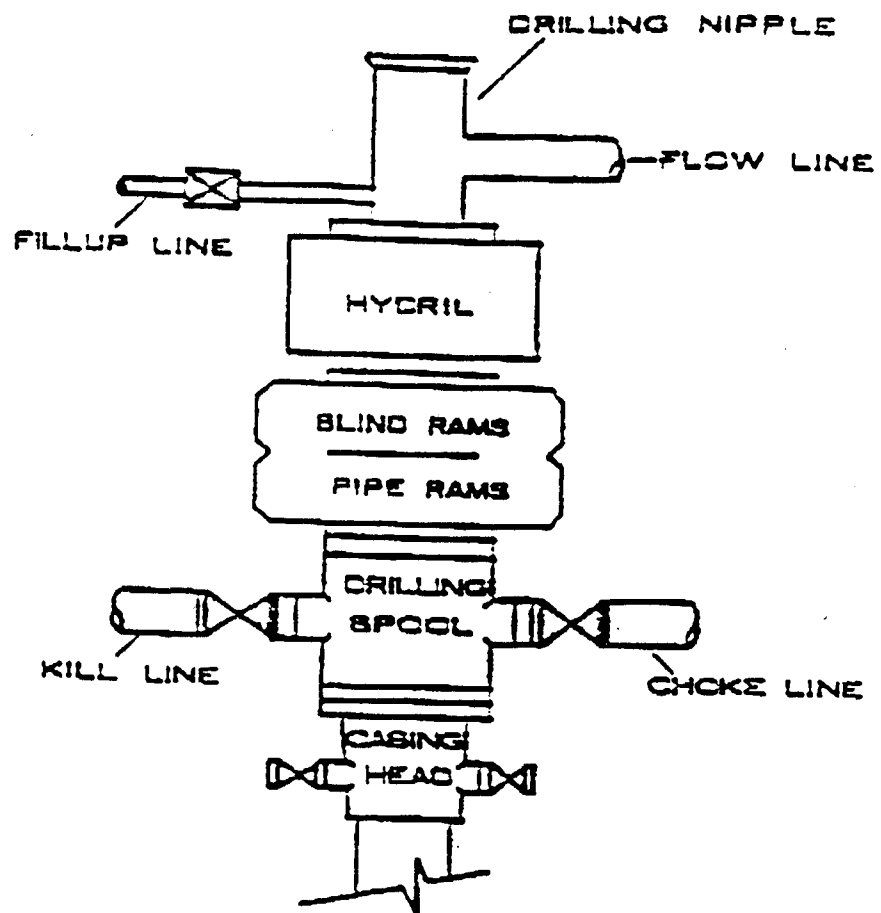
The Evaluation Program may change at the discretion of the well site geologist.

- b. No drill stem tests, stimulation, or frac treatment has been formulated for this well at this time; however, the drill site, as approved, will be of sufficient size to accommodate all completion activities. Any frac treatment program specifics will be submitted via sundry notices.

7. **Abnormal Conditions:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered in or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure approximately equals 6,220 psi (calculated at 0.4 psi/foot) and maximum anticipated surface pressure equals approximately 2,799 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

EOP STACK



5,000 PSI

**FISHER #2-19A3
1480' FSL & 700' FEL
NE/SE, SECTION 19-T1S-R3W
DUCHESNE COUNTY, UTAH**

COASTAL OIL & GAS CORPORATION

MULTI-POINT SURFACE USE & OPERATIONS PLAN

This Surface Use and Operations Plan is subject to change pending completion of the on-site inspection.

1. Existing Roads:

The proposed wellsite is approximately five miles northeast of Altamont, Utah.

Directions to the location from Altamont, Utah, are:

Proceed in an easterly direction from Altamont, Utah, on existing road approximately 0.5 miles to the junction of this road and an existing road to the north; turn left and proceed in a northerly direction approximately 2.0 miles to the junction of this road and an existing road to the east; turn right and proceed in an easterly direction approximately 1.0 miles to the junction of this road and an existing road to the southeast; turn right and proceed in a southeasterly direction approximately 0.6 miles to the beginning of the proposed access road to the southwest; turn right and follow road flags approximately 0.6 miles to the proposed location.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

Improvements to existing access roads shall be determined at the on-site inspection.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

Approximately 0.6 miles of new access will be required. The new access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, *unless modified at the on-site inspection*. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. **Location of Existing Wells Within a 1-Mile Radius:** (See Map C)

- a. Water wells - 0
- b. Producing wells - 5
- c. Drilling wells - 0
- d. Shut-in wells - 0
- e. Temporarily abandoned wells - 0
- f. Disposal wells - 0
- g. Abandoned wells - 0
- h. Injection wells - 0

4. **Location of Existing and Proposed Facilities:**

The following guidelines will apply if the well is productive.

- a. All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.
- b. A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.
- c. All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Desert Brown, Munsell standard color number 10 YR 6/3.

- d. Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.
- e. The proposed pipeline will leave the well pad in a northwesterly direction for an approximate distance of 2,500' to tie into the Fisher #1-19A3 pipeline. Please see Map D.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from a privately owned pond located near the purposed wellsite. The water allocation number assigned to the Fisher pond is 944335MDUT21386. The pond is located in SW/NW Section 19-T1S-R3W.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

- a. Drill cuttings will be contained and buried in the reserve pit.
- b. Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.
- c. The reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. *The need for a reserve pit liner will be determined at the on-site inspection.*

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

- d. Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.
- e. A chemical porta-toilet will be furnished with the drilling rig.
- f. Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.
- g. All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

- h. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). *This section is subject to modification as a result of the on-site inspection.*

See the attached diagram to describe rig orientation, parking areas, and access roads.

- a. The reserve pit will be located on the northwest side of the location.
- b. The stockpiled topsoil (first six inches) will be stored on the northeast side of the location. All brush removed from the well pad during construction will be stockpiled separately from the topsoil.
- c. The flare pit will be located on the northeast side of the location, downwind from the prevailing wind direction and a minimum of 100 feet from the wellhead and 30 feet from the reserve pit fence.
- d. Access will be from the northeast.
- e. All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

- f. The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **Plans for Reclamation of the Surface:**

a. Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

b. Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. **Surface Ownership:**

a. Access Roads - The proposed access road is located on lands owned by:

- Edwin C. Fisher et ux (see below)

- Leon Dump et ux
- b. Well Pad - The well is located on land owned by:
 - Edwin C. Fisher and Naomi Fisher
HC 65, Box 4
Altonah, Utah 84002

Coastal Oil & Gas Corporation has contracted an agent to represent the Corporation and negotiate damage and right-of-way agreements with the landowner(s). These negotiations are in progress. Notification will be submitted via Sundry Notice when landowner(s) negotiations are complete. The operator recognizes that no work will be initiated upon the leased lands until an agreement with the surface owner(s) has been signed and plans for reclamation of the surface have been made.

12. **Other Information:**

- a. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.
- b. The Operator will control noxious weeds along right-of-ways for roads, pipelines, well sites, or other applicable facilities.

13. **Lessee's or Operators's Representative and Certification:**

Sheila Bremer
Environmental & Safety Analyst
Coastal Oil & Gas Corporation
P.O. Box 749
Denver, CO 80201-0749
(303) 573-4455

Ned Shiflett
Drilling Manager
(713) 877-6354

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made

in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the operator, its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Bremer
Sheila Bremer

11/17/95
Date

REGISTERED LAND SURVEYOR

NO. 12345

J. D. TRAY

STATE OF UTAH

sed Acc



UTAH ENGINEERING & LAND SURVEYING
 85 South 200 East Vernal, Utah

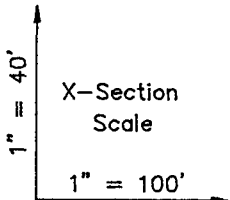
COASAL OIL & GAS CORP.

TYPICAL CROSS SECTIONS FOR

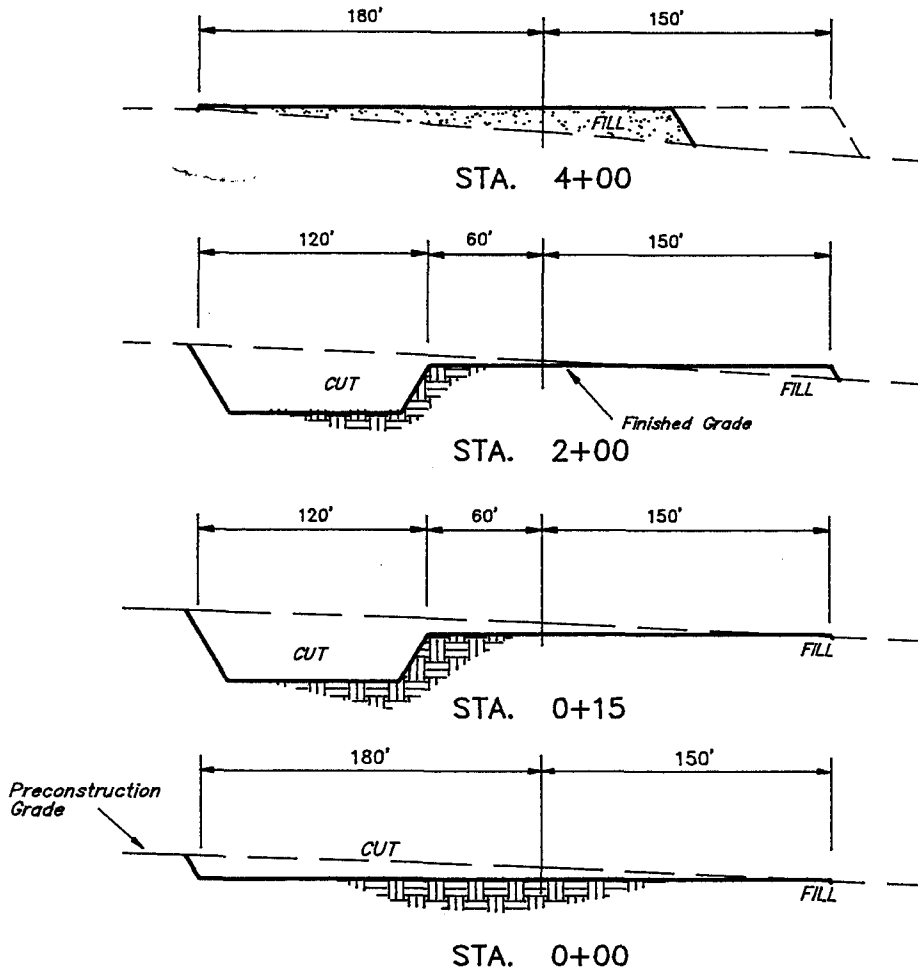
FISHER #2-19A3

SECTION 19, T1S, R3W, U.S.B.&M.

1480' FSL 700' FEL



DATE: 7-11-95
DRAWN BY: D.J.S.



APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 2,450 Cu. Yds.
Remaining Location = 12,420 Cu. Yds.

TOTAL CUT = 14,870 CU.YDS.
FILL = 8,100 CU.YDS.

EXCESS MATERIAL AFTER
5% COMPACTION = 6,340 Cu. Yds.
Topsoil & Pit Backfill
(1/2 Pit Volume) = 6,340 Cu. Yds.

EXCESS UNBALANCE
(After Rehabilitation) = 0 Cu. Yds.

NOTES:

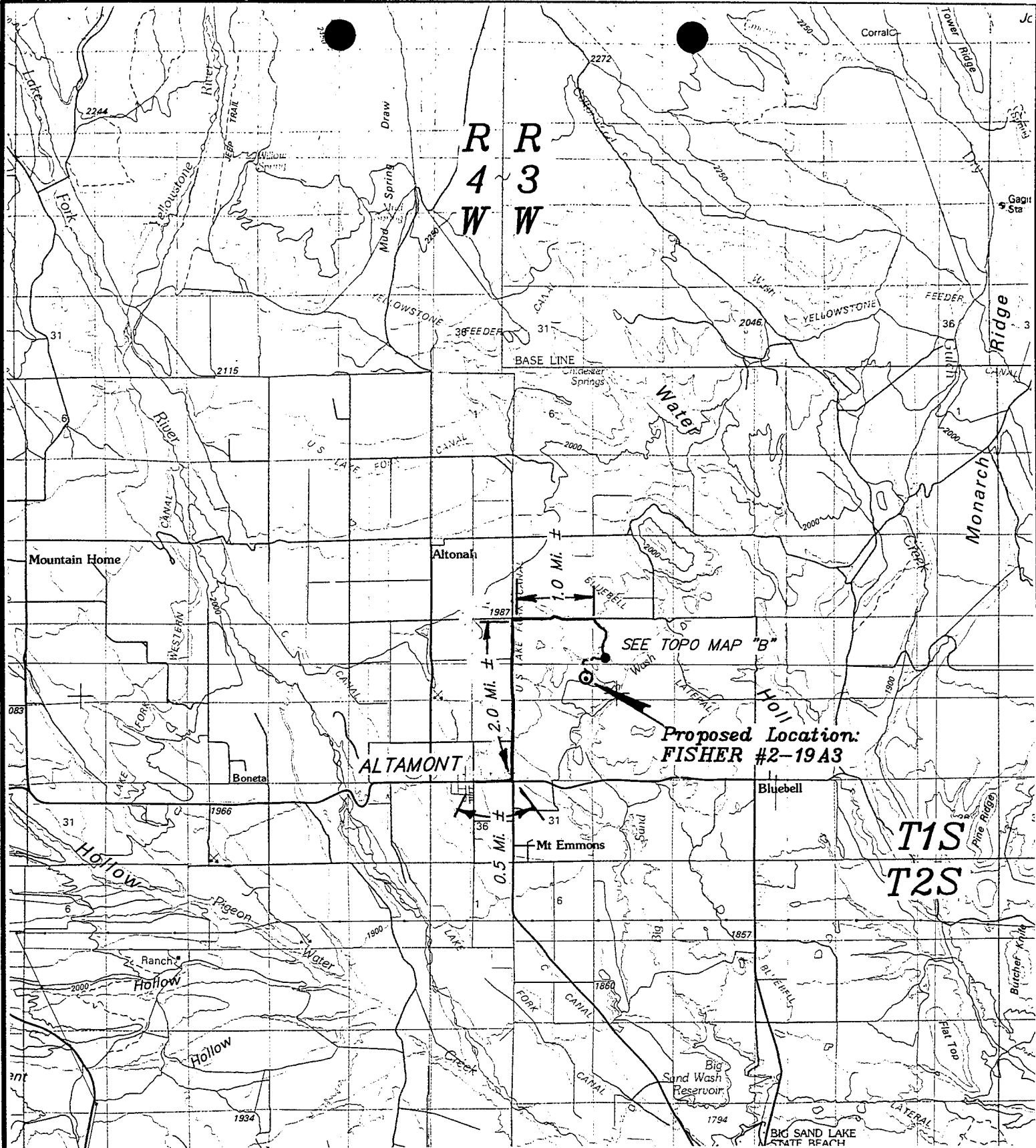
Elev. Ungraded Ground At Loc. Stake = 6390.4'

FINISHED GRADE ELEV. AT LOC. STAKE = 6389.6'

FIGURE #2

UINTAH ENGINEERING & LAND SURVEYING

85 South 200 East Vernal, Utah



TOPOGRAPHIC
MAP "A"

DATE: 7-11-95 D.J.S.



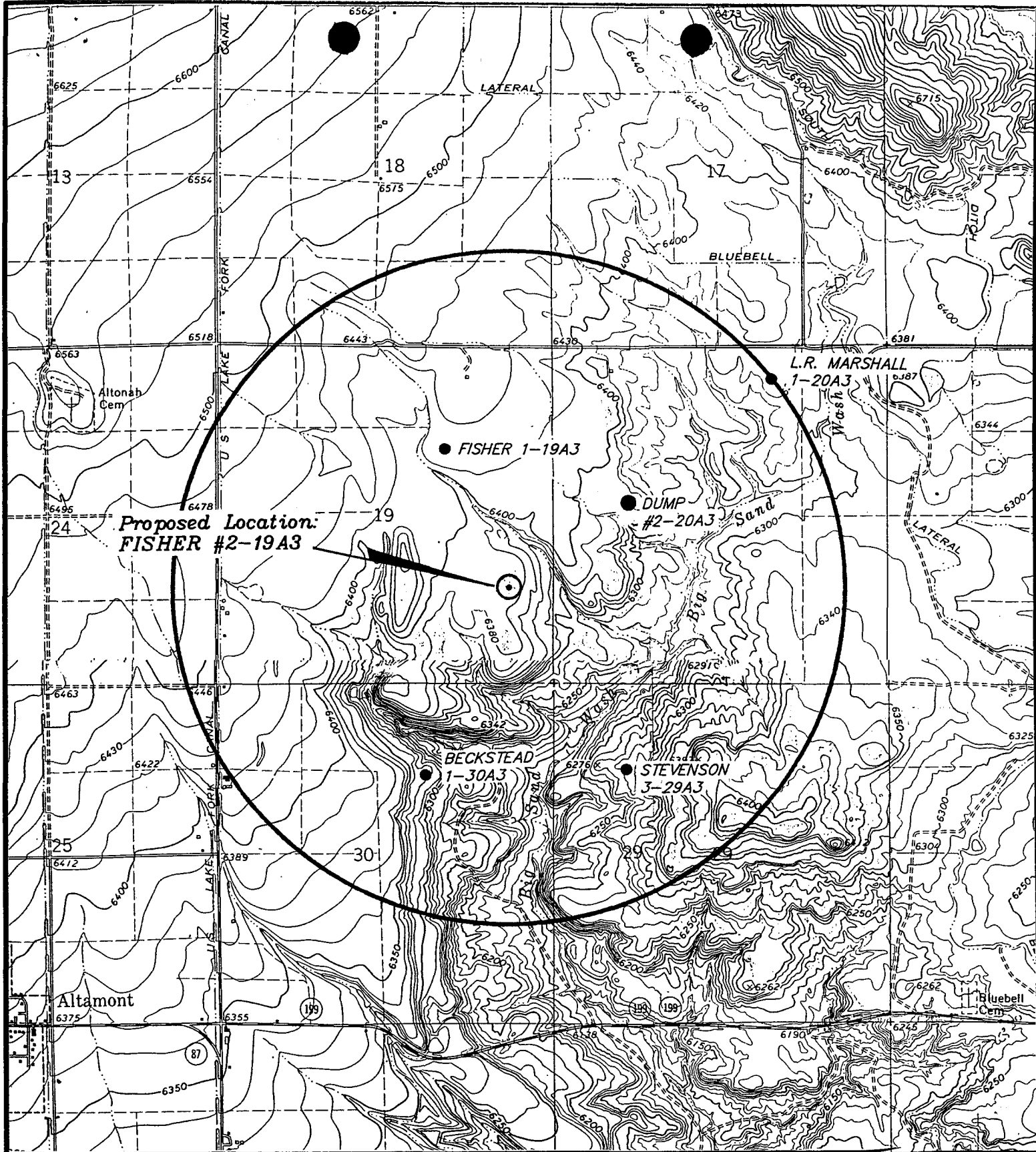
COASAL OIL & GAS CORP.

FISHER #2-19A3

SECTION 19, T1S, R3W, U.S.B.&M.

1480' FSL 700' FEL

1480' FSL 700' FEL



LEGEND:

- = Water Wells
- = Abandoned Wells
- = Temporarily Abandoned Wells
- = Disposal Wells
- = Drilling Wells
- = Producing Wells
- = Shut-in Wells



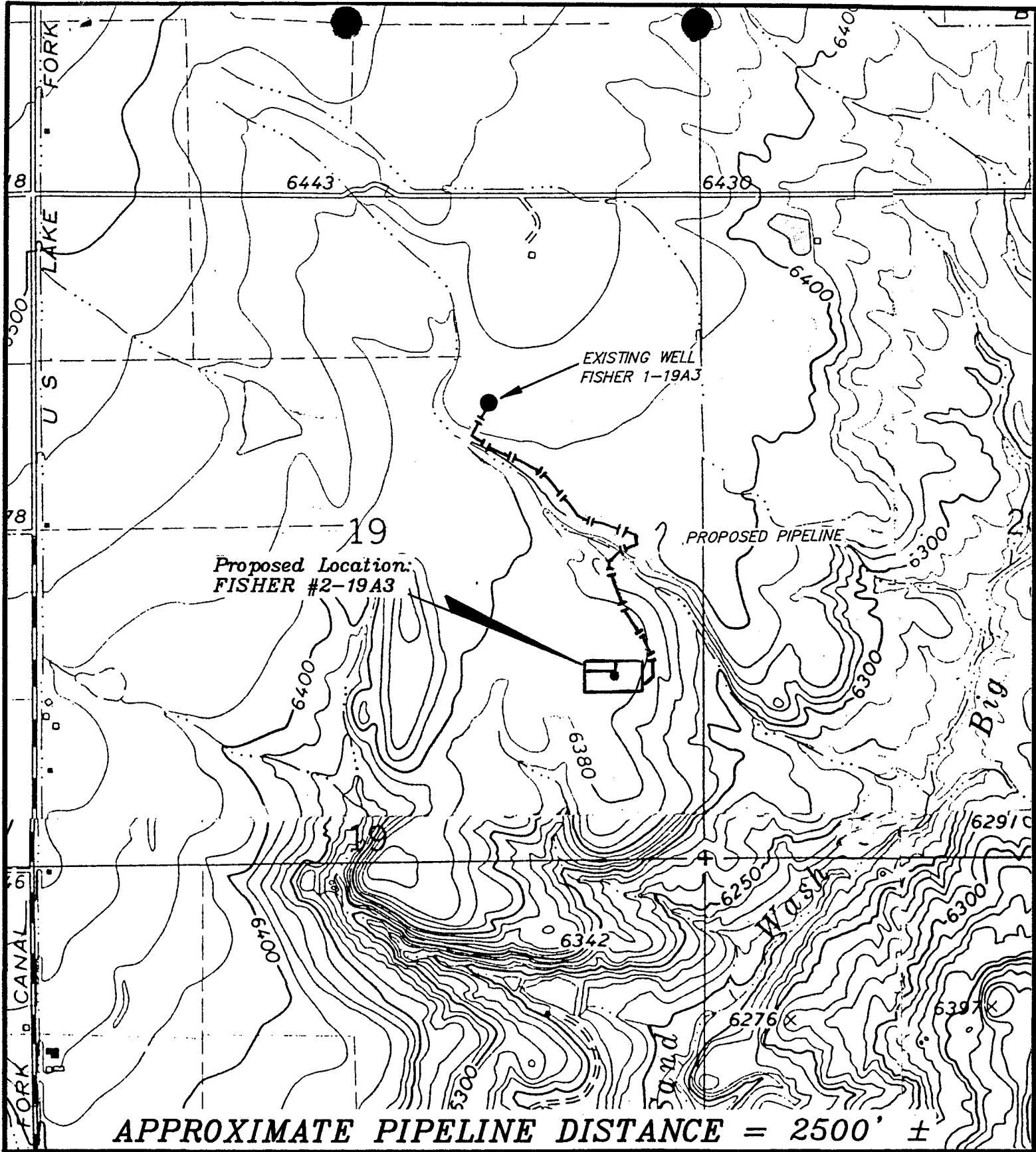
COASTAL OIL & GAS CORP.

FISHER #2-19A3

SECTION 19, T1S, R3W, U.S.B.&M.

T O P O M A P " C "

DATE: 7-6-95 D.COX



APPROXIMATE PIPELINE DISTANCE = 2500' ±

TOPO MAP "D"

LEGEND:

— — — — — PROPOSED PIPELINE



COASTAL OIL & GAS CORP.

FISHER #2-19A3
SECTION 19, T1S, R3W, U.S.B.&M.

REVISED: 8-5-95 D.COX
DATE: 7-6-95 D.COX



State of Utah
Division of Oil, Gas & Mining (OGM)

**ON-SITE PREDRILL EVALUATION AND REVIEW
FOR
APPLICATION FOR PERMIT TO DRILL (APD)**

OPERATOR

COASTAL OIL & GAS CORPORATION

WELL NO.

FISHER 2-19A3

LEASE NO.

FEE

API No.

43-013-31570

LEASE TYPE

State ☐

Fee ☒

PROPOSED LOCATION

$\frac{1}{4}/\frac{1}{4}$

NE SE

SECTION

19

TOWNSHIP

1 S

RANGE

3 W

COUNTY

DUCHESNE

FIELD

ALTAMONT

SURFACE

1480 FSL 700 FEL

BOTTOM HOLE

SAME AS ABOVE

GPS COORDINATES

562963 E 4469778 N

SURFACE OWNER

PRIVATE

SURFACE AGREEMENT

Yes ☐

No ☐

CONFIDENTIAL

Yes ☐

No ☐

LOCATING AND SITING

☐

UAC R649-2-3.

Unit

☐

UAC R649-3-2. General

☐

UAC R649-3-3. Exception

☒

UCA 40-6-6. Drilling Unit

--

Cause No.

139-42 4/12/85

DRILLING PROGRAM

The following information should be included in the Application for Permit to Drill submitted.

- 1 Surface Formation and Estimated Tops/Geologic Markers
- 2 Estimated Depths and Names of Anticipated Water, Oil, Gas or other Mineral Bearing Formations

(All fresh water sands encountered during drilling shall be recorded and reported to the Division on Form 7.)
- 3 Well Control Equipment & Testing Procedures
- 4 Proposed Casing and Cementing Program
- 5 Mud Program, Circulating Medium, and Monitoring equipment
- 6 Coring, Testing, and Logging Program
- 7 Expected Bottom Hole Pressures and any anticipated Abnormal Pressures, Temperatures or Potential Hazards such as hydrogen sulfide, expectations and contingency plans for mitigating identified hazards
- 8 Any other information relative to the proposed operation.

Onsite Participants:

Shelia Bremmer (Coastal); Clay Einerson (Coastal); Carroll Estes (Coastal); Ed Trotter (Coastal); Darr Fisher (Dirt worker); Ted and Naomi Fisher (Landowner); Dennis L. Ingram (DOGM).

Regional Setting/Topography:

In farmland along eastern portion of bench just west of Big Sand Wash. Proposed site slopes to south and east with sandstone outcroppings protruding from canyon wall above Big Sand Wash. Half of lease in cow pasture other half in pinyon/cedar forest.

SURFACE USE PLAN:

Current Surface Use: Domestic grazing (cattle) with some wildlife use.

Proposed Surface Disturbance: 330'x 400' or 3.02 acres. Access road will utilize 18'x 2300' or .94 acres. Total land utilized on project is 3.96 acres.

1. Existing Roads Directions to the well from Altamont Utah are included as part Of the APD.
2. Planned Access Roads - include length of new road, length of existing road to be upgraded, maximum disturbed and travel surface widths, maximum grades, turnouts, surface materials, drainage, cattleguards This road will be about .6 miles of new constructin from the existing county road network. It will be 18' wide and Will be ditched and crowned.
3. Location of existing wells within one-mile radius of proposed location, include water, injection, producing, drilling with present status of each well See the attached map labeled as map bCb.
4. Location of Production Facilities and Pipelines See the attached ,map Labeled bDb.
5. Location and Type of Water Supply (include Division of Water Rights approval or identifying number) Water will be taken from the Fisher pond under permit Number 944335MDUT21386.
6. Source of Construction Material will be borrowed from the construction of the Well pad. Some gravel may be obtained from a comercial source.
7. Waste Management Plan See the surface use plan part 7 attached as part of the APD.

8. Ancillary Facilities None will be required.
9. Well Site Layout See the attached diagram.
10. Surface Restoration Plans Restoration will be as stipulated by State Lands
At the time of the abandonment of the well.

ENVIRONMENTAL PARAMETERS:

Affected Floodplain and/or Wetlands:

A 404 dredge and fill permit may be required if this site is in or adjacent to a wetland or other established drainage or floodplain. (Contact the Army Corps of Engineers if there are concerns of this nature) N/A

Flora/Fauna:

Briefly describe the flora found on the proposed site and the fauna evidenced or sighted on or near the proposed location Half of location planted in hay; the other half pinyon/juniper forest. Mule deer, fox, coyote, raccoon, rabbit, small birds, raptors (witnessed red-tail hawk), etc.

SURFACE GEOLOGY

Soil Type and Characteristics: Thin layer of red to brown sand with some clay present and underlying cobbles.

Surface Formation & Characteristics: Uinta Formation -- south flank of the Uinta Mountains.

Erosion/Sedimentation/Stability: Minor erosion, some sedimentation, no stability problems anticipated.

Paleontological Potential Observed: None observed on visit.

RESERVE PIT

Characteristics: Rectangular shaped, north side of lease and measures 215'x 120'x 10

Lining (Site ranking form attached): 37 points.

OTHER OBSERVATIONS

Cultural Resources/Archaeology (if proposed location is on State land, has an archaeology clearance been obtained?): Private or Fee lands, no Arch report.

Comments: Production commingled to Fisher #1-19A3. New pond was just constructed 700 feet northeast of proposed location. Landowner plans to stock fish. Landowner requested running pipe line below his pond incase it ever leaks, that way spill would run off on Nick Stevenson. Ed Trotter told him they should go above the new Fisher pond. Estes claims that the line will never leak. Access road will come off the Dump 2-20A3. One cattle guard was discussed along access road along with new fencing. Ground was 100 percent open on visit (no snow).

Dennis L. Ingram

OGM Representative

12/21/95 9:30 AM

Date and Time

STATEMENTS OF BASIS

OGM Review of Application for Permit to Drill (APD)

Company: Coastal Oil and Gas Corp.

Well Name: Fisher 2-19A3

ENGINEERING/LOCATING and SITING:

The proposed location meets the location and siting requirements of the Boad Order in Cause No.139-42. The application and proposed casing and drilling plan appear to be consistent with accepted industry standards of practice and sound engineering design. A casing design safety check is attached. Blow out prevention and monitoring/contingency plans are adequate.

Signature: F. R. Matthews Date: 1/3/96

GEOLOGY/GROUND WATER:

The location is located on quaternary alluvium above the Duchesne River Formation. The base of moderately saline water is at a depth of approximately 4500 feet. The surface casing will be set at a depth of 4700 feet and cemented to surface. The proposed casing and cement program will adequately protect any water encountered.

Signature: D.Jarvis

Date: 1/2/96

SURFACE:

The presite investigation of the surface area was performed by field personnel. All applicable surface management agencies and landowners were notified and their concerns accommodated where reasonable and possible.

Signature: Dennis L. Ingram

Date: 12/26/95

STIPULATIONS for APD Approval:

- ☒ 1. A pit liner of 12 Mil thickness installed in reserve pit.
- ☒ 2. Immediate removal of fluids from reserve after drilling and completion occurs.
3. _____
4. _____

ATTACHMENTS:

1. Photos of location on presite visit, new Fisher pond and dam.

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

Site-Specific Factors	Ranking Score	Final Ranking Score
Distance to Groundwater (feet) >200 100 to 200 75 to 100 25 to 75 <25 or recharge area	0 5 10 15 20	10
Distance to Surf. Water (feet) >1000 300 to 1000 200 to 300 100 to 200 < 100	0 2 10 15 20	2
Distance to Nearest Municipal Well (feet) >5280 1320 to 5280 500 to 1320 <500	0 5 10 20	0
Distance to Other Wells (feet) >1320 300 to 1320 <300	0 10 20	0
Native Soil Type Low permeability Mod. permeability High permeability	0 10 20	20

Fluid Type Air/mist Fresh Water TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	0 5 10 15 20	5
Drill Cuttings Normal Rock Salt or detrimental	0 10	0
Annual Precipitation (inches) <10 10 to 20 >20	0 5 10	0
Affected Populations <10 10 to 30 30 to 50 >50	0 6 8 10	0
Presence of Nearby Utility Conduits Not Present Unknown Present	0 10 15	0

Final Score	37 points.
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The summation of all of the above ranking scores will yield one value which shall be used to determine the appropriate type of containment, on a case-by-case basis. The sensitivity levels are as follows:

Level I Sensitivity: For scores totaling ≥ 20
Level II Sensitivity: For scores totaling 15 to 19
Level III Sensitivity: For scores totaling < 15

Containment Requirements According to Sensitivity Level

Level I: Requires total containment by synthetic liner, concrete structure or other type of total containment structure or material.

Level II: Bentonite or other compatible lining is discretionary depending on the fluid to be contained and environmental sensitivity.

Level III: No specific lining requirements.

OTHER GUIDELINES FOR PITS

1. Unlined pits shall not be constructed on areas of fill materials.
2. A pit shall not be constructed in a drainages or floodplain of flowing or intermittent streams.
3. Synthetic liners used for lining reserve pits, shall be of 12 mil thickness or greater and shall be compatible with the fluid to be contained. Synthetic liners used for lining onsite pits with a longer expected life shall be a minimum of 30 mil thickness or as approved by the Division.
4. Synthetic liners shall be installed over smooth fill material which is free of pockets, loose rocks or other materials which could damage the liner.
5. Monitoring systems for pits or closed mud systems may be required for drilling in sensitive areas.

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: COASTAL OIL & GAS CORP	Well Name: FISHER 2-19A3
Project ID: 43-013-31570	Location: SEC. 19 - T01S - R03W

Design Parameters:

Mud weight (8.70 ppg) : 0.452 psi/ft
 Shut in surface pressure : 4438 psi
 Internal gradient (burst) : 0.113 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

*** WARNING *** Design factor for burst exceeded in design!

	Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	3,700	9.625	36.00	K-55	LT&C	3,700	8.765	
2	1,000	9.625	40.00	N-80	LT&C	4,700	8.750	

	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Load (kips)	Tension Strgth (kips)	S.F.
1	1672	1978	1.183	4857	3520	0.72	173.20	489	2.82 J
2	2124	3090	1.455	4970	5750	1.16	40.00	737	18.42 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 01-03-1996
 Remarks :

Minimum segment length for the 4,700 foot well is 1,500 feet.
 SICIP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 166°F (Surface 74°F , BHT 257°F & temp. gradient 1.400°/100 ft.)
 String type: Surface
 Next string will set at 13,100 ft. with 8.70 ppg mud (pore pressure of 5,921 psi.) The frac gradient of 1.000 psi/ft at 13,100 feet results in an injection pressure of 13,100 psi Effective BHP (for burst) is 4,970 psi.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: COASTAL OIL & GAS CORP	Well Name: FISHER 2-19A3
Project ID: 43-013-31570	Location: SEC. 19 - T01S - R03W

Design Parameters:

Mud weight (14.00 ppg) : 0.727 psi/ft
 Shut in surface pressure : 8797 psi
 Internal gradient (burst) : 0.162 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

*** WARNING *** Design factor for collapse exceeded in design!

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	2,750	5.000	18.00	S-95	MAC/LX	15,550	4.151	
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	11309	11880	1.050	11309	12040	1.06	49.50	409 8.26 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 01-03-1996
 Remarks :

Minimum segment length for the 15,550 foot well is 1,500 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 166°F (Surface 74°F, BHT 292°F & temp. gradient 1.400°/100 ft.)
 The liner string design has a specified top of 12,800 feet.
 The burst load shown is the pressure at the bottom of the segment.
 String type: Liner - Production
 The mud gradient and bottom hole pressures (for burst) are 0.727 psi/ft and 11,309 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: COASTAL OIL & GAS CORP	Well Name: FISHER 2-19A3
Project ID: 43-013-31570	Location: SEC. 19 - T01S - R03W

Design Parameters:

Mud weight (8.70 ppg) : 0.452 psi/ft
 Shut in surface pressure : 6374 psi
 Internal gradient (burst) : 0.162 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

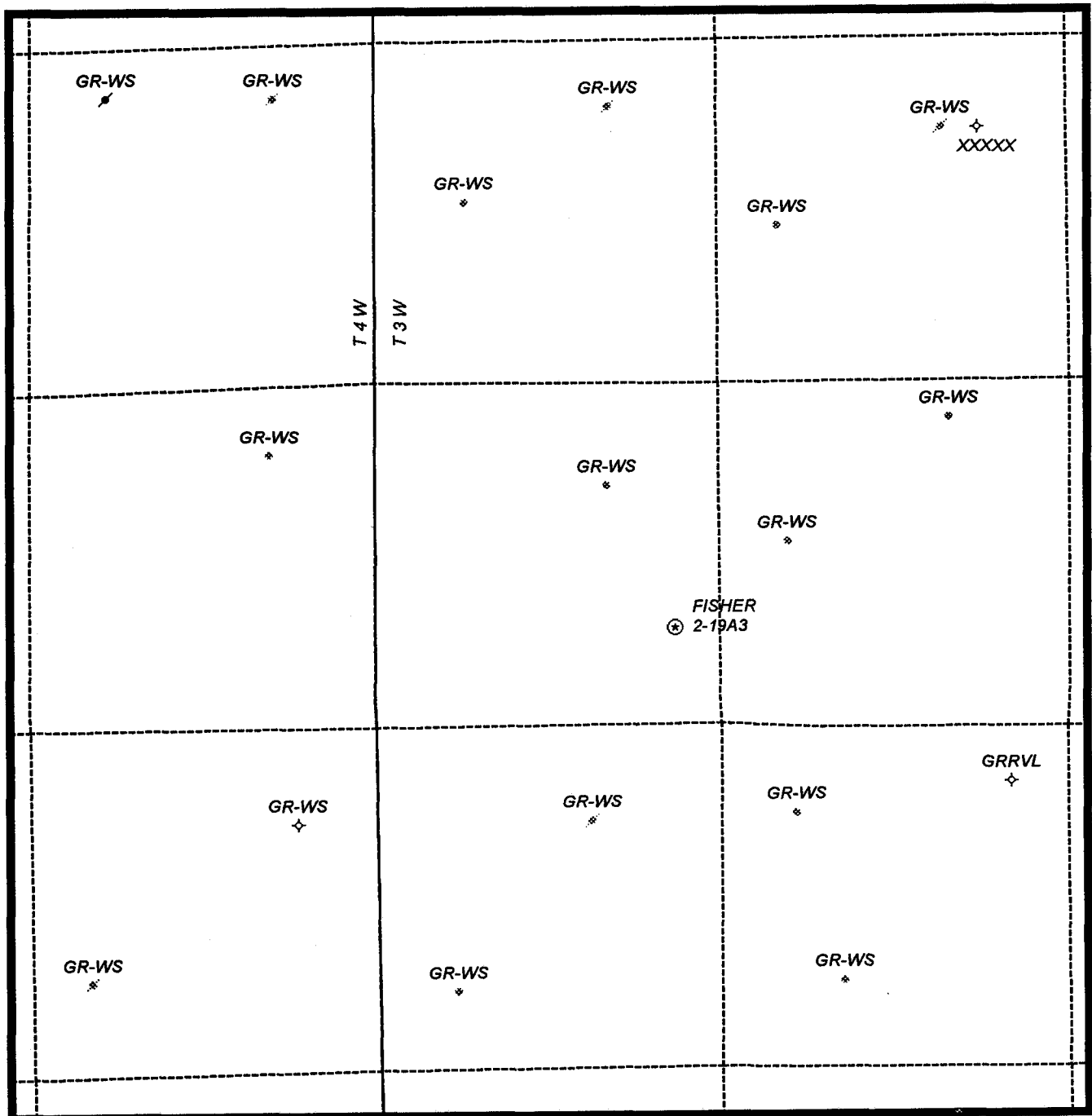
Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	6,000	7.000	26.00	S-95	Buttress	6,000	6.151	
2	7,100	7.000	26.00	S-95	LT&C	13,100	6.151	
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	2712	7033	2.593	7343	8600	1.17	340.60	747 2.19 J
2	5921	7800	1.317	8490	8600	1.01	184.60	602 3.26 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 01-03-1996
 Remarks :

Minimum segment length for the 13,100 foot well is 1,500 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas
 temperature of 166°F (Surface 74°F , BHT 292°F & temp. gradient 1.400°/100 ft.)
 String type: Intermediate - Prod
 The minimum specified drift diameter is 6.125 in.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

**COASTAL OIL & GAS CORPORATION
INFILL DRILLING ALTAMONT FIELD
SEC. 19, T1S, R3W, DUCHESNE COUNTY
SPACING ORDER 139-42 4/12/85**



**STATE SPACING
ORDER 139-42**

**PREPARED:
DATE: 11/28/95**



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

January 3, 1996

Coastal Oil & Gas Corporation
P.O. Box 749
Denver, Colorado 80201-0749

Re: Fisher #2-19A3 Well, 1480' FSL, 700' FEL, NE SE, Sec. 19,
T. 1 S., R. 3 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31570.

Sincerely,

R. J. Firth
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office
WAPD



Operator: Coastal Oil & Gas Corporation
Well Name & Number: Fisher #2-19A3
API Number: 43-013-31570
Lease: FEE
Location: NE SE Sec. 19 T. 1 S. R. 3 W.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. On-site Predrill Evaluation and Review

Compliance with all requirements and stipulations developed during the onsite evaluation and review.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

February 28, 1997

Ms. Sheila Bremer
Coastal Oil & Gas Corporation
P.O. Box 749
Denver, Colorado 80201-0749

Re: Fisher 2-19A3 Well, Sec. 19, T. 1S, R. 3W, Duchesne County, Utah,
API No. 43-013-31570

Dear Ms. Bremer:

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective immediately.

Please note that a new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

A handwritten signature in dark ink, appearing to read "Don Staley".

Don Staley
Administrative Manager
Oil and Gas

cc: R.J. Firth
K.M. Hebertson
Well File